

## C.8 LUNAR ADVANCED SCIENCE AND EXPLORATION RESEARCH

**NOTICE:** The following material is a general description of the Lunar Advanced Science and Exploration Research program. The final description of this program will be posted as an amendment to this NRA at least 90 days in advance of its proposal due date and no later than June 30, 2007. The proposal due date is anticipated to be in Fall 2007. Until that time, questions and/or comments may be directed to the LASER Program Officers at the addresses given below.

### 1. Scope of Program

The Lunar Advanced Science and Exploration Research (LASER) program funds basic and applied lunar science. The goal of the program is to support and enhance lunar basic science and lunar exploration science as part of the Vision for Space Exploration's return to the Moon initiatives. The program is funded jointly by NASA's Science Mission Directorate and NASA's Exploration Systems Mission Directorate.

It is the objective of the LASER program to fund a portfolio of lunar science investigations spanning the continuum from pure basic science to pure exploration science. Proposals are not required to fall strictly within one of these two end-member science approaches; therefore, proposals may have significant components of both basic and applied lunar science. Proposals that bridge this gap are highly encouraged.

LASER also welcomes the submission of "data restoration" proposals. The program seeks to identify science data archives that are considered of significant value to lunar science that are in need of restoration and digital archiving. LASER will provide funding to restore, archive, and prepare these holdings for public access through the Planetary Data System (<http://pds.jpl.nasa.gov>).

Research regarding the Moon or lunar samples is also solicited in other Planetary Science Research Programs (e.g., Cosmochemistry in Appendix C.2 and Planetary Geology and Geophysics in Appendix C.4). Proposers should read these solicitations carefully in order to determine which research program is most appropriate for submission of a proposal for basic and applied lunar science research. The same proposal should not be submitted to more than one ROSES program element.

### 2. Summary of Key Information

Expected annual program budget for new awards	TBD
Number of new awards pending adequate proposals of merit	TBD
Maximum duration of awards	3 years
Due date for Notice of Intent to propose (NOI)	TBD

Due date for proposals	TBD
NASA strategic objective(s) which proposals must state and demonstrate relevance to	Every proposal must address one or more strategic goal(s) or strategic outcome(s) from Table 1. See also Sections I(a) and IV(e) in the <i>Summary of Solicitation</i> of this NRA.
General information and overview of this solicitation	See the <i>Summary of Solicitation</i> of this NRA.
Detailed instructions for the preparation and submission of proposals	See the <i>NASA Guidebook for Proposers Responding to a NASA Research Announcement – 2007</i> at <a href="http://www.hq.nasa.gov/office/procurement/nraguidebook/">http://www.hq.nasa.gov/office/procurement/nraguidebook/</a> .
Page limit for the central Science-Technical-Management section of proposal	15 pp; see also Chapter 2 of the <i>NASA Guidebook for Proposers</i>
Submission medium	Electronic proposal submission is required; no hard copy is required. See also Section IV in the <i>Summary of Solicitation</i> of this NRA and Chapter 3 of the <i>NASA Guidebook for Proposers</i> .
Web site for submission of proposal via NSPIRES	<a href="http://nspires.nasaprs.com/">http://nspires.nasaprs.com/</a> (help desk available at <a href="mailto:nspires-help@nasaprs.com">nspires-help@nasaprs.com</a> or (202) 479-9376)
Web site for submission of proposal via Grants.gov	<a href="http://grants.gov">http://grants.gov</a> (help desk available at <a href="mailto:support@grants.gov">support@grants.gov</a> or (800) 518-4726)
Funding opportunity number for downloading an application package from Grants.gov	NNH07ZDA001N-LASER
NASA points of contact concerning this program	<p>Dr. Robert Fogel Planetary Science Division Science Mission Directorate National Aeronautics and Space Administration Washington, DC 20546-0001 Telephone: (202) 358-2289 E-mail: <a href="mailto:Robert.A.Fogel@nasa.gov">Robert.A.Fogel@nasa.gov</a></p> <p>Dr. Michael J. Wargo Exploration Systems Mission Directorate National Aeronautics and Space Administration Washington, DC 20546-0001 Telephone: (202) 358-0822 E-mail: <a href="mailto:michael.wargo@nasa.gov">michael.wargo@nasa.gov</a></p>